

[illegible]

[illegible]

FIGURE 3

CV-MBNA
DMEM serum free
bioreactors

YM30 Spiral cartridge conc.

add ammonium sulfate
HEPES pH 8.5

Phenyl Sepharose CL-4B
0.2M ammonium sulfate
20 mM HEPES pH 8.5
elute with 10mM HEPES pH 8.5

add NaCl to 1.6 mS/cm

DEAE Sephacel
10mM HEPES pH 8.5
0.14 to 0.3 M NaCl gradient

dilute to 1.2 mS/cm

Mono Q
10mM HEPES pH 8.5
0.1 to 0.5 M NaCl gradient

HPLC C4 reverse phase (Vydac 46 X25 cm, 5u)
0.1% TFA to 0.1% TFA/100% AcN, 1ml/min

0 to 45% AcN 1%/min
45-60% AcN 0.5%/min
60-100% AcN 2%/min

HPLC C4 reverse phase (Vydac 46X25cm, 5u)
0.1% TFA to 0.1% TFA/60% n-propanol
0.5ml/min
0.5%/min gradient

SDS PAGE 14% reducing

PYDF

N-terminal protein sequence

ATGAGAAATTTCGAAACCAATTGAGAAAGTATTCATCCAGTGCTACTT
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 ATGAGAAATTTCGAAACCAATTGAGAAAGTATTCATCCAGTGCTACTT
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 GTGTTTACTTCTTAAACAGTCAATTCTTAACTGAGCTGCGCATTCATGCTCT
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 GTGTTTACTTCTTAAACAGTCAATTCTTAACTGAGCTGCGCATTCATGCTCT
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 TCATTTGGGCTGTTCAAGTCAAGGCTTCCCTTAAACAGAAAGCCAACTGG
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 GTCAATGTAATAAGTGAATTGAAAGATCTTAAATTCATAATCTAA
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 GTCAATGTAATAAGTGAATTGAAAGATCTTAAATTCATAATCTAA
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 GCAATATGATGCTTAACTTAACTGAAAGTGAATGTCACCCCAAGTTGCA
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 GCAATATGATGCTTAACTTAACTGAAAGTGAATGTCACCCCAAGTTGCA
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 AAGTAAACAGCAATGAAAGTCTTCTTGAAGTTAACAAAGTTATTCACAT
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 AAGTAAACAGCAATGAAAGTCTTCTTGAAGTTAACAAAGTTATTCACAT
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 GAGTCCCGAGATCAAGATATCAATGATACAGTAAGAAATCTTAAATCTCT
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 AAGCAACAAACAGTTTGTCTTAAATGCGAATTAACAGAAATCTTGATGCA
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 AAGCAACAAACAGTTTGTCTTAAATGCGAATTAACAGAAATCTTGATGCA
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 AAGCAATGTCGAGCACTGCGAATAATAATAAGAAATTTTTCAGAGAT
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 AAGCAATGTCGAGCACTGCGAATAATAATAAGAAATTTTTCAGAGAT
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 TTTGTAACAATAATGTCCAAATGTTCAATCAACACTTCTTGA
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 TTTGTAACAATAATGTCCAAATGTTCAATCAACACTTCTTGA
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FIGURE 4

FIGURE 5

1	MRISKPHLR	SISIQCYL	CLLNSH	FLTEAGI	HVFILG	CFSAGL	PKTEANW	50
1	MRISKPHLR	SISIQCYL	CLLNSH	FLTEAGI	HVFILG	CFSAGL	PKTEANW	50
51	VNVISDL	KKIEDLI	QSMHID	ATLYTES	DVHPS	CKVTAM	KCFLL	100
51	VNVISDL	KKIEDLI	QSMHID	ATLYTES	DVHPS	CKVTAM	KCFLL	100
101	ESGDASI	HDIVEN	LIILANN	SLSSNG	NVTESG	CKECEE	LEKNI	150
101	ESGD'D	IHD'VE	NLIILAN	NISSNG	NI'ESG	CKECEE	LEKNI	150
151	FVHIVQ	MFINTS*	163					
151	FVHIVQ	MFINTS*	163					

FIGURE 6

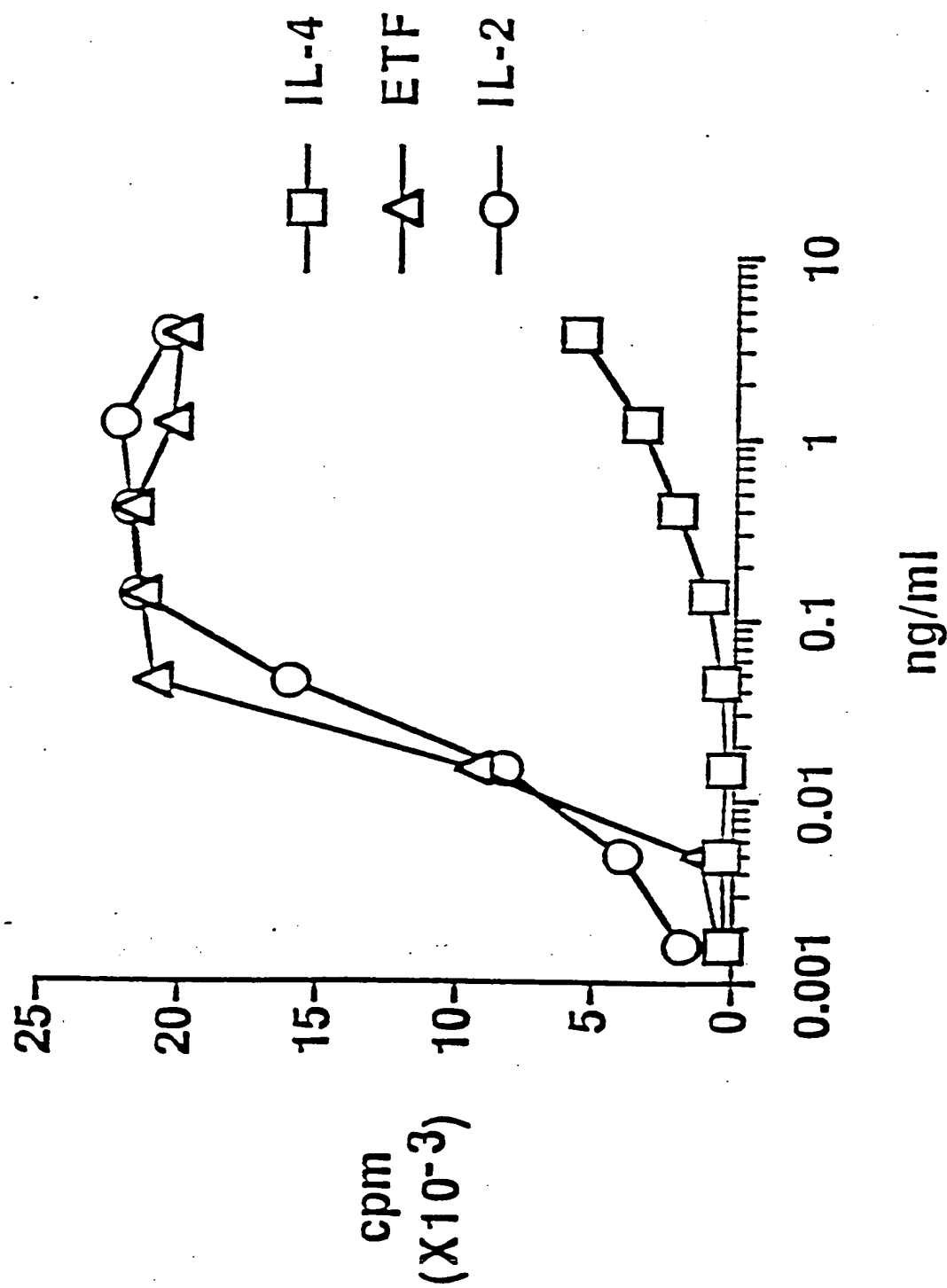


FIGURE 7

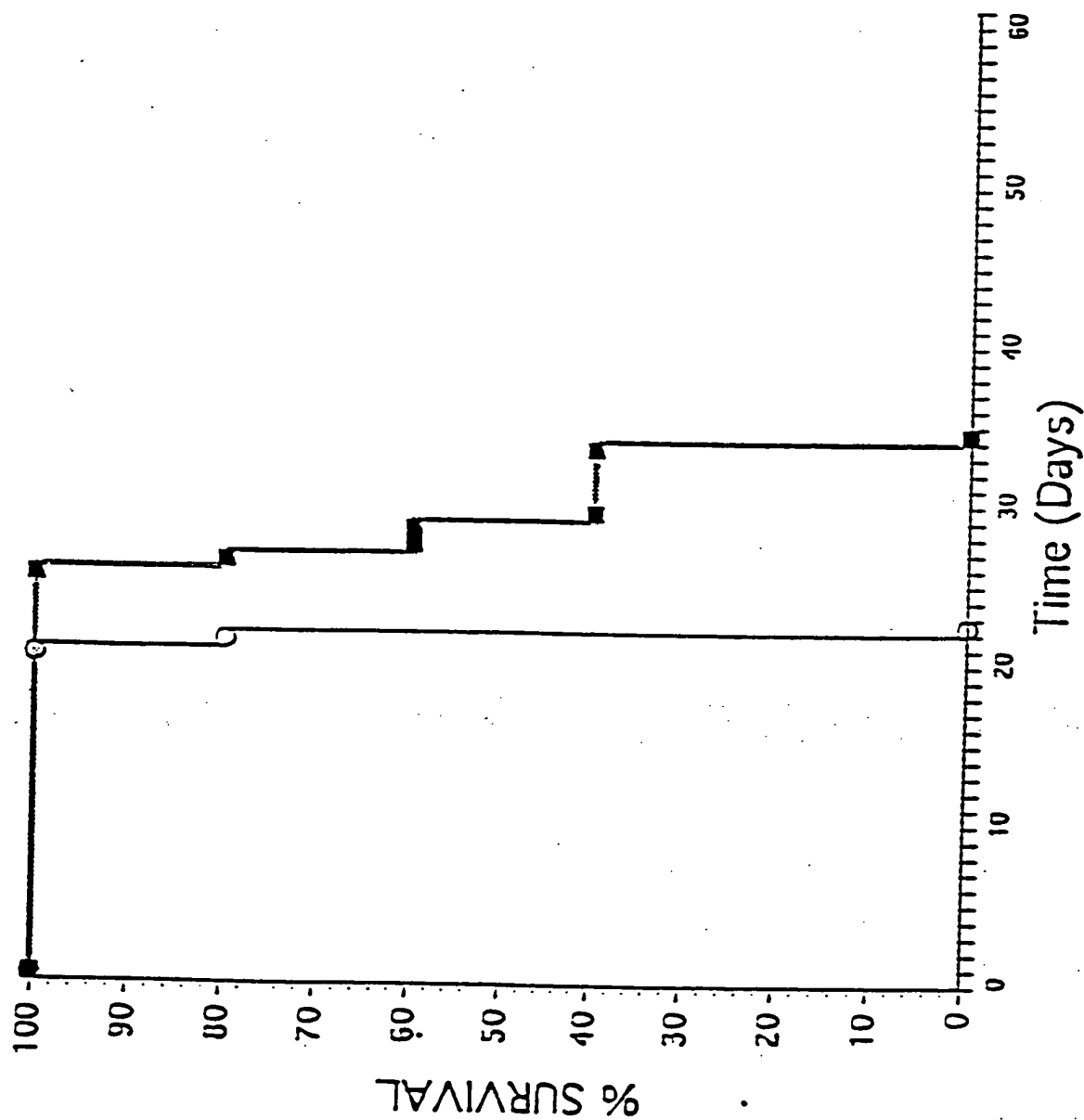
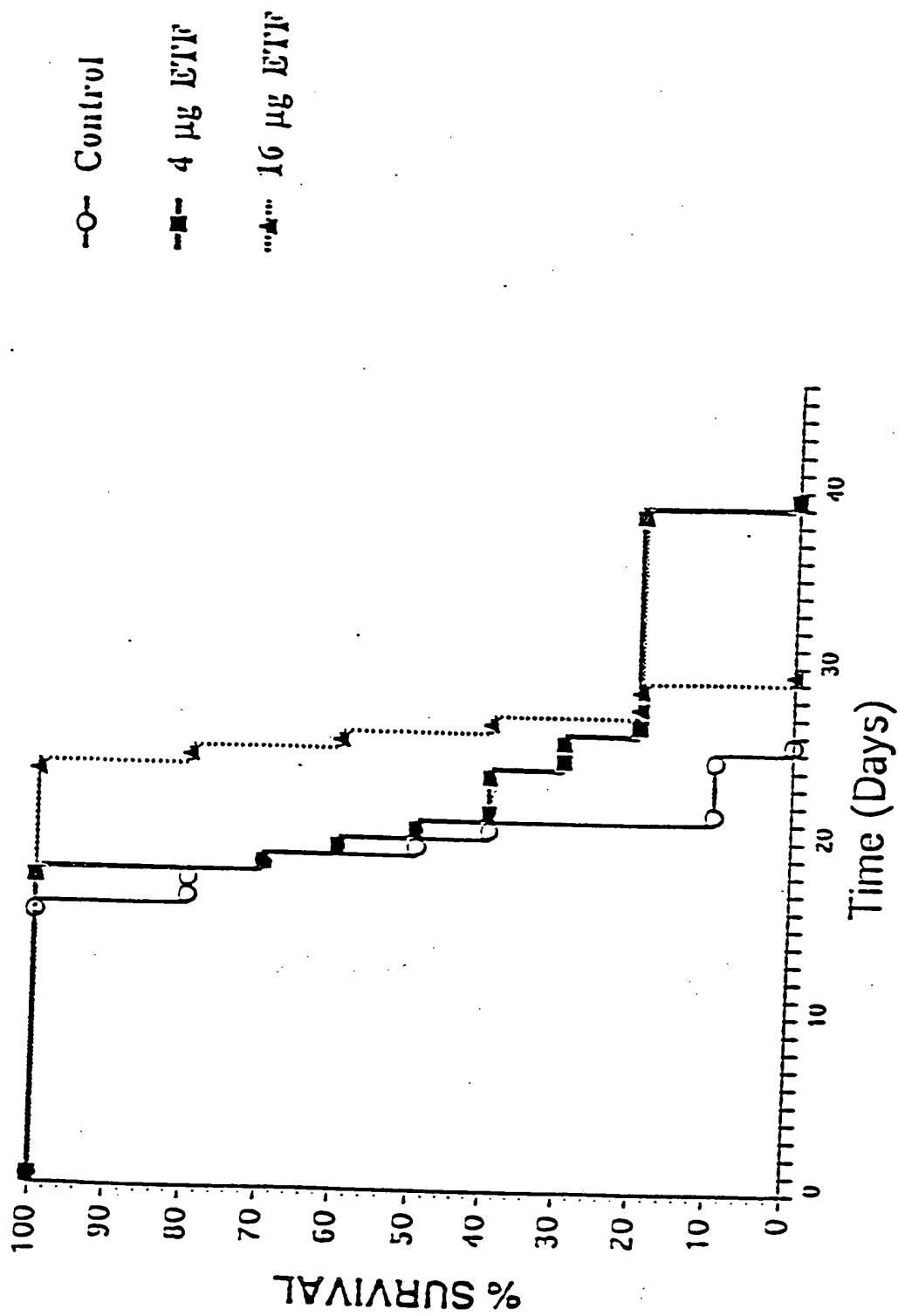


FIGURE 8



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FIGURE 9

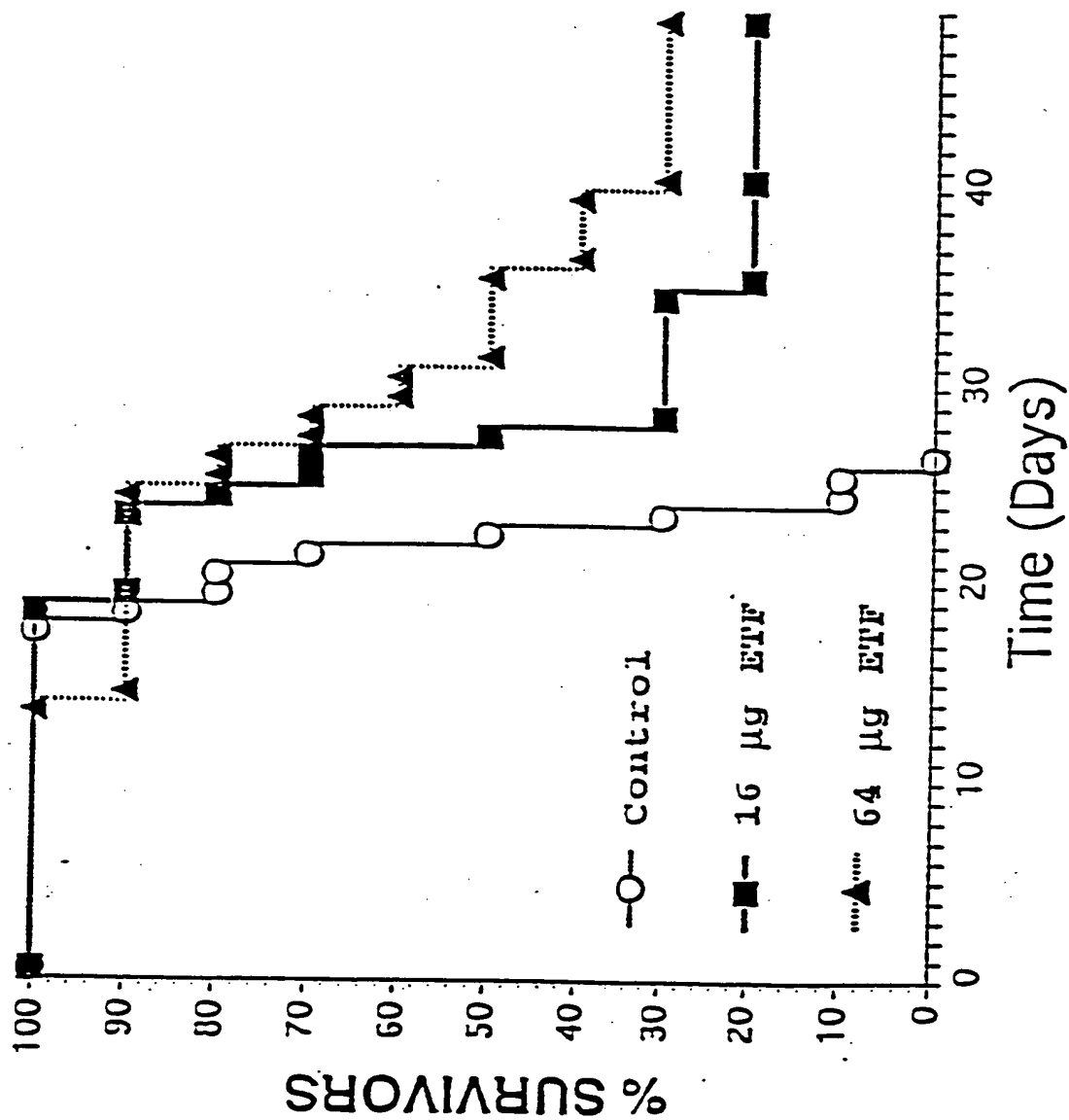


FIGURE 10

